BURBANK'S 1919

NEW CREATIONS AND SPECIAL NEW SELECTIONS

IN SEEDS

"QUALITY COUNTS"

These seeds are unique. They are *ALL* grown on my own farms and under my own care, and are a great surprise to those who have grown the common wholesale-grown seeds so generally offered.

TWO SHASTA DAISIES

No Agents Anywhere. All Business Done at Santa Rosa

A GOOD NAME is a treasure for unprincipled dealers to trade on; tons of seeds and thousands of trees and plants of uncertain value are sold over my name throughout America each season. There is no redress.

Burbank's Experiment Farms

LUTHER BURBANK

Santa Rosa, California, U. S. A.

SHOUT
SHARE
IT

YB .0625

At this date, November 15th, there have been grown and shipped out of the State of California *this season ONE MILLION, ninety-two thousand, two hundred and fifty-six crates* of plums and cherries alone of varieties which were created on my own grounds, *besides* one large shipping firm which could not make a variety report.

Some *SEVEN MILLION BUSHELS* of *Burbank Potatoes* were also grown here this season, and unnumbered carloads of *Rhubarb, Prunes,* and other horticultural products can be added for good measure. Need more be said in regard to the value of my horticultural creations?

"How to Judge Novelties, look to their source," and also *if possible purchase direct from the originator,* as many new trees, plants, and seeds are grossly misrepresented by a few dealers who trade on the reputation of reliable firms, often doing a thriving business by selling seeds, trees, and plants in localities where they very well know that they can not thrive; this and the substitution of inferior or wholly worthless stock under the name and reputation of good ones has been, and is now being carried on persistently and systematically by several parties who victimize those who deal with them by trading on the reputations of reliable firms. It should be the duty and privilege of every good citizen to aid in exposing and routing all who are obtaining money under these false pretenses.

Having been in business more than forty years, millions of trees and tons of seeds from my establishment are now growing not only in the Western United States, but everywhere on earth where the sun shines and plants can be grown. Customers do not complain that the varieties which I have sent out are not as represented. Does this record mean anything, and is it surprising that such a reputation should be worth trading on? *Counterfeit coins are not counterfeited—it is the genuine ones that are misrepresented.*

In presenting this list of seeds, I wish to thank the friends and customers who have in some cases been purchasers for forty years or more. It is exceedingly pleasing to know that the stock produced in and introduced from this establishment has now become *standard in every country.* No one who knows them questions their value, and perhaps nothing during the past century has more influenced the trend of horticulture, or has tended more to remove horticulture from a small branch of agriculture to a veritable science by itself.

The time and expense involved in the production and introduction of most of these new plants have been great, as those acquainted with the facts are well aware, but it is my aim to place these new varieties in the hands of growers as quickly as possible and at as low prices as are consistent with sound business, in at least, partially repaying for their production and introduction. Everything in this Catalogue will be delivered at your door, transportation free, except in a very few cases where noted.

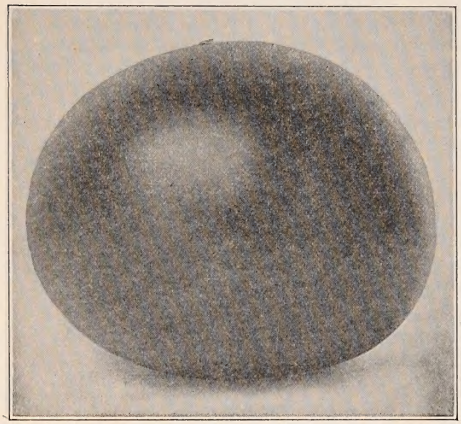
BURBANK'S 1919 NEW CREATIONS IN SEEDS

We have this year added a few testimonials as to the value of our productions; TEN THOUSAND PAGES could be thus filled but these few samples will be appreciated

(CULTURAL DIRECTIONS ON PACKETS)

The Earliest Tomato in the World—The "Burbank"

By far the *earliest, smoothest, largest, most productive,* and *best* of all early tomatoes; resists wilt and other tomato diseases better than most others. The "Burbank" is so much earlier than other tomatoes that from the seed of the tomatoes which ripened here in *June,* a *second crop* has been again and again grown and *ripened* the *same season,* something probably never before known. This extreme earliness means millions of dollars to American tomato growers, as one-half the tomatoes grown in the United States, even in California, are taken by frost instead of by the grower.



BURBANK TOMATO

Fruit, *bright crimson;* thick, solid, heavy, smooth, firm, medium to large in size, *superior quality, unusually heavy* and *continuous bearer throughout the season; best keeper and shipper.* The "Burbank" has one other unique and most remarkable quality which will be appreciated by those who like fresh sliced tomatoes for the table. Unlike other tomatoes, *the skin peels freely from the rich, firm flesh.*

Burbank Tomato seed can be offered in packets only this season, as the great canning companies of America, having tested it, have ordered the *last ounce,* and are ordering 1919 selection by the hundred pounds for their 1920 crops. *BURBANK TOMATO SEED, 1918 SELECTION, IN PACKETS ONLY.* Per packet of 100 seeds, 25c; three for 60c; ten, $1.75.

Hundred pound orders for 1919 selection crop can be sent in now and will be filled in rotation. Prices on application.

Tomatoes form on the "Burbank" when the plants are very small. It is well to pick off the first cluster of blooms, thus giving the plants a good start for heavy crops. *Plant deep;* set the plants deep in the field or garden for heavy and continuous crop.

Terre Haute, Indiana, Aug. 27, 1918. So far as we have been able to determine from the small quantity of seed we had this season, the "Burbank" Tomato is so far ahead of anything we have ever tried that there is absolutely no comparison between it and other varieties. C. L. (President L. Packing Co.)

"I had in my garden last season three early tomatoes. Two of them I received from the two foremost seedsmen in America; one was a Burbank creation, which ripened its first fruit thirty-three days ahead of the others. A thousand dollars per ounce would be cheap for such seed." N. C.

Watsonville, Cal., Nov. 13, 1918. Your tomato ripened a month earlier this season than our other varieties and is of better quality and did not rot as other varieties have done this season. C. H. H.

Columbus, Ohio, Oct., 1918. I have tested practically all tomatoes. The "Burbank" is with us three weeks earlier than the earliest. It is the best of all tomatoes. E. J. M.

Terre Haute, Ind., Nov. 12, 1918. We are much pleased to get the full amount ordered, as we are expecting great results from this seed. We tried it out on a small scale this season and results were such that we have the greatest confidence in it. The writer had twelve plants from "Burbank" seed set out in his home garden where they could be carefully watched, and in an experience of forty years in the tomato business has never seen anything approaching the crop yield, character of fruit and flavor that we got from your tomatoes. From the twelve plants set out in the home garden we gathered ten bushels of tomatoes, and when the frost finally got them the vines were loaded with large and small green fruit and full of bloom. We will be glad of the opportunity to try this variety out on an extensive scale next season and if it proves all that we hope for from this past season's test we will want a contract with you for a full supply for the 1920 crop. C. L. (Pres. L. Packing Co.)

Etna Mills, Cal., Jan. 14, 1918. I tried your "Burbank" Tomatoes last year and found them the best early tomato variety I ever raised. Practically all the tomatoes got ripe—something unusual in this high altitude. L. J.

Puyallup, Wash., Aug. 26, 1917. I am trying out seed of the "Burbank" Tomato that I received from you, against five different varieties from different parts of the United States, and find the "Burbank" ahead of all of them. F. S. M.

Worthington, Minn., Oct. 4, 1918. With the "Burbank" Tomato this Spring we are much pleased. Compared with the "Earliana" from selected seed, the "Burbank" is ten days earlier, the fruit more perfect in form, 20 per cent heavier in weight for the same size by exact measurement, and a better fruit in every way. R. H. T.

Napa, Cal., July 11, 1918. I had ripe tomatoes from my "Burbank" plants just about a month earlier than any I have ever grown in my garden in twenty-five years. D. J. B.

Gloversville, N. Y., May 19, 1918. Perhaps you would be interested to know that the "Burbank" Tomato seeds which I bought of you last year are creating quite a sensation among growers of garden vegetables in this section. Many persons who had already planted their tomatoes have replaced them with your early variety. It is by far the earliest plant in this section and is a great improvement on the other so-called early varieties, as it continues to fruit after the early season until frost. W. D. P. (F. J. & G. R. R. Co.)

Larimore, N. D., Oct. 9, 1918. Clarence Wedge, who conducts the "Orchard and Garden" section of "The Farmer," states that your new tomato is the best of all tomatoes. W. L. G.

Toronto, Canada, Oct. 20, 1918. Doctor Davidson was telling me he considered the "Burbank" Tomato superior to "Earliana," "Chalk's Jewel," or "Bonny Best" in every way. A. W. P.

Oneida, N. Y., Nov. 7, 1918. Your "Burbank" Tomato seed produced tomatoes ten days or two weeks earlier than other varieties planted for our Albion, Orleans County, N. Y., ketchup factory. B. C. O. (Mgr. B. O. Canning Co.)

"I count the 'Burbank' Tomato the best new thing in garden vegetables that I have discovered in a number of years." J. C. M., New York.

Highland Park, Ill., Oct. 8, 1918. May I take the privilege of telling you how grateful I am for the tomato seeds purchased from you. The "Burbank" began ripening the middle of July, some three weeks before any I ever planted before, and they are still producing. The "Santa Rosa" came a little later, and they have given me as large and fine a tomato as any grown. The plants are the most generous producers of any, and I have tested a score of varieties the last ten years. These plants are still outside and full of fruit; great big, juicy, delicious tasting tomatoes. E. R. M., M. D.

Wellington, Kansas. I had great success with your tomato; off of three hundred vines I sold one hundred and forty-two dollars and thirty cents worth of tomatoes. Besides this sale we gave away from one hundred and fifty to two hundred pounds, which were worth on the market fifteen dollars. I began to pick ripe tomatoes by the fifth day of June. A. G. (Nov. 25, 1918.)

Terre Haute, Ind., Aug. 7, 1918. If the price is not prohibitive we would like to buy one hundred to one hundred and fifty pounds of your "Burbank" Tomato seed, same as purchased last year. C. L. (Pres. L. Packing Co.)

Toledo, Ohio, Oct. 10, 1918. Had great success with your "Burbank" Tomato this year. C. G. S.

Portland, Ore., Feb. 21, 1918. We were greatly pleased with your tomato. Planted the seeds four or five weeks later than other varieties and picked "Burbank" Tomatoes first. R. C. S.

Brooklyn Heights, Ohio, Feb. 4, 1918. The "Burbank" Tomato is certainly early. We planted the seed on the eighteenth of April, which is about six weeks later than we truck gardeners generally sow for out of doors. We had the first ripe tomatoes the first of August, which is thirteen weeks from sowing time. They kept on bearing until frost. C. L. E. K.

Maza, N. D., Sept. 3, 1918. I am happy to relate that your tomatoes are a huge success. They are the wonder, admiration and envy of the whole community, as I am the only one who has attained to ripe tomatoes this year. They are large and of a beautiful shape. Miss N. J. K.

Fort Bragg, Cal., Dec. 11, 1917. I sent for some "Burbank" Tomato seed and found the tomatoes exactly as represented. As this coast climate is much like the Bay Region, we have only been able to find one variety of tomato that would pay here—the Puget Sound Special—but the "Burbank" is just about six weeks earlier here. S. A. B.

Shively, Cal., Feb. 6, 1918. I am still growing the "Burbank" Tomato, and sold twenty-three hundred thirty-pound boxes off of three acres last year. F. E.

Watervliet, N. Y., Oct. 21, 1918. I picked the first ripe "Burbank" Tomato July 3d, and if June had been a warm month would have had ripe tomatoes in June. H. DeG.

Youngstown, Ohio, Dec. 11, 1918. The tomatoes did wonderfully for me. Dr. H. A. Z.

Signal Mountain, Tenn., Sept. 7, 1918. I like the "Burbank" Tomatoes. They are quite prolific, even through our dry Winter. Miss R. C. H.

Greenfield, Mass. With your "Burbank" Tomato I had excellent results. H. E. H.

Broadmoor, Alameda Co., Cal. The "Burbank" is fully six weeks earlier than the tomatoes before grown in this region. J. H. B.

Longmont, Colorado, Nov. 7th. I thought you might be interested to learn how your new tomato came out in this section of the country. We planted the seed you sent us and grew just as many plants as we could from it. We planted that seed exactly the same day we planted seed from Chalk's Early Jewell, and we put them in the same field, in exactly the same kind of soil.

We picked the first ripe tomatoes from your vines on the 19th day of August; from Chalk's Early Jewell on the 26th day of August. After that we picked tomatoes from each kind—your vines and the C. E. J.—every time the same date.

On August 31st we had picked from your vines	7,663 lbs.
From the C. E. J. vines	2,756 lbs.
On September 12th we had picked from your vines	13,072 lbs.
From the C. E. J. vines	7,478 lbs.
We finished picking your vines September 30th and had a total for the season of	20,234 lbs.
On the same date from C. E. J. vines we had total	13,122 lbs.

There were exactly the same number of vines in each patch.

Your tomato is certainly the tomato for this section, where we have early frost. The color is good and the quality is good. We have saved seed from the earliest and choicest ones for next year and will plant a number of acres next year where we can test them more fully. I shall not be surprised to get even better results, as I have found that seeds produced in Colorado almost invariably give better results than those grown outside the State. J. H. E.

Oneida, N. Y., Dec. 11, 1918. We hope you will make every effort to give us the full thirty-five pounds of your "Burbank" Early Tomato seed. We are sufficiently enthusiastic over its possibilities to feel that we can adopt it exclusively for 1920 growing and are very anxious to plant at least the acreage from the thirty-five pounds this coming season. B. C. O. (Mgr. B. O. Canning Co.)

New Tomato—"Santa Rosa"

Enormous thick, smooth, deep rose colored fruits of superior quality. Most productive general crop tomato, and especially valuable for canners' and home use.

Packet, 25c; ounce, $1.

Tomato—"Matchless"

The fine old Standard Canning tomato. Uniform, large, rich, cardinal red, productive; select stock. Packet, 10c; ounce, 30c.

New Tomato—"Golden West"

A large, smooth, productive golden yellow tomato of superior quality.

Packet, 10c; ounce, 80c.

A New Pepper—The "Burbank"

From Mexico some nine years ago, I received from my collector a pepper of great size and fine flavor. From this I have developed the *largest pepper ever grown;* fruits nine inches long and four inches through with a thick sweet meat have been grown, and when placed upon exhibition people could not believe they were peppers. At the great Panama-Pacific Exposition or at the recent Land Show no peppers one-half as large were exhibited. The plants are early, very productive, and as easily grown as any other.

Packet, 25c; ounce, $2.

Vineland, N. J., Oct. 28, 1918. Your "Burbank" Peppers are great in size, shape and bountiful production. M. R.

Ottumwa, Iowa, Jan. 13, 1919. Your sweet peppers were very productive and I think that four plants must have produced about twelve dozen peppers. A. T. G.

New Giant White Seeded Sunflower—"Manteca"

In 1909 sunflower seed was grown in the United States to the amount of 63,677 bushels. Last season there was shipped out of *one* California town by *one* buyer, *1275 Tons,* for which $76,000 was paid to the growers. Sunflower seed is used for feed and for oil. All sunflower seed has heretofore been black, brown, or striped. "Manteca" was produced on my place several years ago by crossing the well known *Black* seeded *double* California sunflower with the Giant Russian, which has black striped seeds. The result was, after many years of careful selection, *"MANTECA,"* which is a greatly improved *PURE WHITE SEEDED* Giant Russian, which produces enormous *single* heads on short stalks, instead of the usual big and little mongrel heads on tall, unsightly stalks so generally grown. No grower of any other kind can ever compete with this productive Snow White variety. It will transform the business as the Burbank Potato has transformed the potato business.

Packet, 15c; ounce plump seeds, 25c; pound, $1; five pounds, $4.

A New Sweet Canning Pea—"The Model"

Several years ago I was requested by a well known packing house to produce a new pea, as those in use had so many faults that the growers were discouraged. The ideal pea to be produced must be small like the "Petit Pois" of France and of uniform size; must be sweet and the crop must be in best condition all at one time so that the product could be gathered by machinery. It must also be productive. I contracted to make this pea in six years. At the end of three years the ideal pea was ready. "Burbank Peas" can now be obtained of all dealers in first class goods.

Lately I have produced another similar one, but better and more productive, in fact the most productive of all peas grown here. Though not as large as some, its enormous productiveness and other good qualities merit your careful attention.

Packet, 15c; ounce, 30c; pound, $2. For larger lots by express, special rates.

A New Popcorn—"Pure Gold"

The best of all, the most productive of all. Three and four long, beautiful, pure golden, well filled, uniform ears to each stalk. "Pure Gold" produces crops rivaling even the best field varieties in yield. The kernels pop pure white, and larger and sweeter than other kinds.

Packet, 10c; ounce, 20c; pound, 35c. Ten pound lots or more, not prepaid, 15c per pound.

Hemet, Cal., Dec. 16, 1918. Your popcorn "Pure Gold" is by *far* the best popcorn ever tried in this district. I started with one of your little packets two years ago and now it would be hard to say what acreage is to be planted another year.

C. E. M.

The New Bantam Corn

The early Bantam Sweet Corn, introduced by W. Atlee Burpee & Company several years ago, is quite universally known as the best of all early sweet corns. The ears are short and only eight rows to the ear. By most rigid selection for nine years I have produced an Early Bantam more uniform in all respects, more productive, and with *TEN AND TWELVE ROWS of corn to each ear.*

Packet, 20c; ounce, 30c; pound, $1.

I also offer an *improved eight-rowed strain.* Packet, 10c; ounce, 15c; pound, 60c.

Tacoma, Wash., Oct. 26, 1918. Your New Improved Golden Bantam seed corn gave us excellent results this year. N. P. Co.

Pelham, N. Y., Nov. 16, 1918. The extra Bantam corn was very satisfactory.

M. H. K.

A New Creation in Corn—"Sorghum Pop"

Our common corn, Zea Mays, has shown a wonderful adaptability to various soils and climates and also to the various uses for which it is grown, much more so than any other grass or grain. Next to it in variability are the Sorghums, which include the various Kaffir corns, broom corns, and annual sugar canes. These are two very distinct species, one of which is a native of Africa, the other of America, and there is no record of any new variety having been produced by crossing. Five years ago, after numerous trials, a few kernels were produced on an ear of Burpee's improved Stowell's Evergreen Sweet Corn, from pollen of the white "goose neck" Kaffir Corn. These precious kernels were carefully planted one by one the next season and all but two were Stowell's Evergreen to all intents and purposes, but two ripened weeks earlier and were almost true Kaffir corns with compact, crooked, drooping "heads," containing many scattering hard, round kernels, also bearing "goose neck" drooping ears, somewhat resembling popcorn. The next season all were planted and a *new corn,* in many respects resembling white rice popcorn, but with more nearly globular kernels, was produced, but the ears were *branched* or "many fingered" and bore kernels, not only on the *outside,* but on the *inside of the ears,* producing an enormous number of kernels to the cluster. As the cobs had to be crushed to obtain the corn, selections were made of short "stubby" ears which bore kernels only on the *outside.*

We now offer this most unique corn, and you will find it early, quite uniform, and one of the best *popping corns.* It pops out pure white, sweet, and with a whirlwind of vehemence. This amazing production is of great interest, not only to growers, but also to botanists.

Packet of 100 seeds, 15c; ounce, 25c; pound, $1.

Lonsdale, Minn., Dec. 25, 1918. The "Sorghum Pop" I ordered of you is really a surprise to me as to how it pops. There is absolutely no hard portion of the kernel left when it is popped. Considering its quality, earliness and productiveness, I think most of the older varieties should be discarded. J. P. V.

Rainbow Corn

The leaves of this beautiful corn are variegated with bright crimson, yellow, white, green, rose, and bronze stripes. A really wonderful decorative plant, as easily grown as any common corn and is fully equal in beauty to the most expensive greenhouse dracænas. Packet, 10c; ounce, 30c; pound, $1.

Papago Corn

A corn which produces more fodder and more corn from each kernel than any other. A yellow, wrinkled, sweet corn growing about eight feet high and bearing a dozen or twenty succulent stalks with abundant foliage. *Ten to twenty ears from a single kernel* is usual. The best corn for silos and fresh green feed, and is also a fairly good sweet corn for home use. Plant only *one kernel to each hill* and see what a forest of feed results. Packet, 10c; ounce, 15c; pound, 40c; ten pounds or more by express, 20c per pound.

The Sunberry

The Burbank Sunberry, an absolutely new species of Solanum created on my own farms, is an annual berry plant of the easiest culture, thriving even on rather poor soil. The berries are almost exactly like the large, sweet huckleberries of the Eastern states. The plants bear enormous quantities of berries which are highly prized for cooking, canning, etc. Grown and treated same as tomato plants, but with much less care. The Sunberry is especially prized in the cold North and in hot desert countries where other berries do not thrive.

The berries, like some blackberries, should be well ripened two weeks after turning black if to be eaten raw, when they become very sweet and delicious, and

will then remain in good condition on the plants for two months or more. If to be cooked they may be used in a week or so after turning black. A dozen large packing firms could be profitably employed in canning this fruit for two or three months each season. Will thrive in any climate and on any soil. The berries when picked will keep fresh nearly a month. On rich soil plant 3 x 4 feet apart; on poor soil, 2 x 3 feet. The berries may be rapidly gathered on a cloth by threshing the plants with a light stick. The ordinary production per acre is from *twenty-five to forty thousand pounds.* Packet, 15c; ounce, 40c; pound, $3.

Fort Bragg, Cal., Dec. 11, 1917. The Sunberries did well and were very prolific. We had some pies that were great. S. A. B.

A New Teosinte (Reana Luxurians)—"Early Harvest"

A NEW EARLY TEOSINTE

Teosinte seed has always sold at a very high price (fifty to eighty cents per pound), for it could only be raised in semi-tropical climates, and nowhere in the United States except southern Florida. Yet it has always been known as a heavy producer of the best green feed, especially for silage. For the past fifty years I have been interested and not a little of the time working for an earlier variety, and now for the first time offer my *"Early Harvest,"* which will ripen seed abundantly throughout most of the United States. *"Early Harvest"* has extremely large kernels and each one will produce an enormous amount of feed. Better try this *new* Teosinte and see what selective breeding has done for a tropical plant.

Packet, 20c; ounce, 80c.

A New Hybrid Cucumber "Iceland"

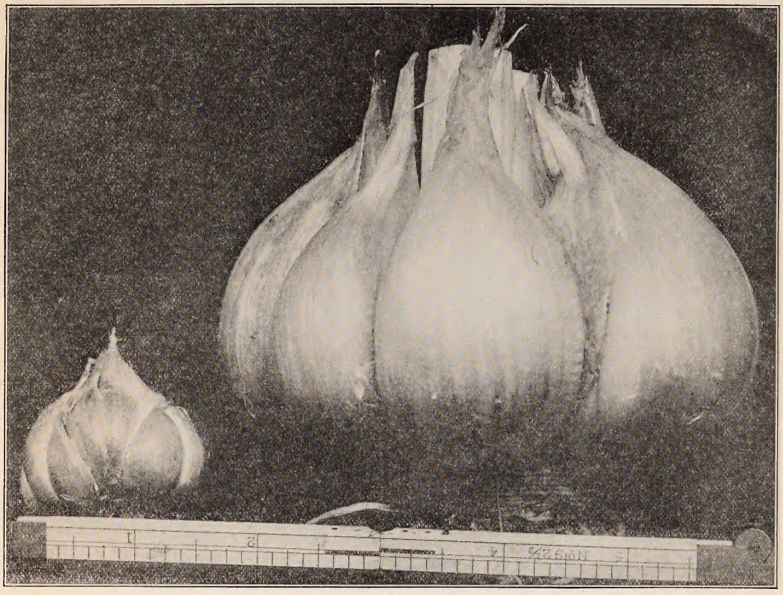
The "Lemon" Cucumber, a native of Central America, is a quite distinct species from the common long green cucumbers so universally grown. It is small and not a good form for slicing, yet the *quality is so superior* that it is grown more and more extensively each season for home use. By crossing this species with Burpee's long snow-white cucumber, sent out a few years ago, a new and wholly distinct cucumber has been produced, which surpasses all other cucumbers in crispness and delicacy of flavor and is snow white, oval, medium size, and most astonishingly productive, often three hundred cucumbers to each vine. In the combination

of these good qualities it is unequaled by any other cucumber. You will probably have more fun raising and eating these cucumbers than anything else in the garden. Price per packet, 15c; three packets, 30c; ounce 60c.

Signal Mountain, Tenn., Sept. 7, 1918. I have enjoyed the flavor of the "Iceland" cucumber very much. The flavor is more delicate than any other we have ever used. R. C. H.

Elephant Garlic

The common garlic is one of the vegetables which always has a steady sale each season, and has lately been found to be one of the best prophylactics against many diseases, as well as an appetizing addition to various culinary products. The usual price is about six cents per pound; this season it is thirty cents. "Wonders never cease." I now for the first time offer a new garlic, the "Elephant," which is more



COMMON GARLIC AND ELEPHANT GARLIC

than *ten times* as productive as any other. A single clove of the "Elephant" is as large as a whole cluster of the ordinary garlic. Astoundingly productive, thoroughly hardy, easily raised, and exactly like the old garlic except in its enormous proportions. Five cloves, 25c; ten, 40c; per hundred, $3; per thousand, $20.

Improved "Quinoa" (Chenopodium quinoa)

A Delicious New but Ancient Breakfast Food

This annual, easily grown plant bears heavily a highly nutritious, extremely valuable and greatly prized grain food—a small white seed produced in profusion on plants about four feet in height, which is harvested much like other grains. Containing as it does about four times as much gluten as the best wheat (40 per cent or more) proves chemically its very great nutritive value. The outer husk also contains about 17 per cent vegetable potash. Belonging, as "Quinoa" does, **to the beet-spinach family, the young, tender plants make excellent greens.**

This plant has been under cultivation and close observation on my farms for ten years or more and has been greatly improved by selection; a more delicious breakfast food was never offered to America. The plants are grown with the least possible care, like other grains or like corn, and will produce a great weight of seed per acre, thirty bushels or more, but in some localities is subject to the attack of aphides, which, if they should happen to appear, may be readily exterminated by the usual sprays used for aphis.

By sowing the seeds early around the edges of fields and gardens, or in fields like corn or wheat, a good supply may be raised anywhere in almost any climate. The seed, when dry, is prepared directly for food simply by pounding a few minutes in a sack to remove the outer husk, then it is rinsed and cooked two hours or more, and is also ground and used for bread and cakes. Everybody likes it. Everybody thrives on it. Everybody should raise it.

Burbank Selection White Quinoa Seed, per packet, 20c; three, 50c; six, 80c; ounce, $1.

Lovett, Ga., May 10, 1918. I planted a little package of your Improved "Quinoa" seed and am surprised at the heavy crop produced. Believe it will more than double the crops of any of the cereals. The plants are simply laden with seed heads which are now rapidly ripening. I feel that the crop from the little package will give me at least half a bushel of clean seed. An acre at this rate would run from seventy to eighty bushels of clean seed. J. P. M.

A New Flax—The "Burbank"

The United States of America produces an average of thirty-three million dollars worth of flax *seed* annually. Its uses are too well known and too numerous to mention. Some ten years ago a company of French artists urgently requested me to produce a flax which would make a natural *limpid white oil,* as the clear colors of their pictures were blurred and deadened by the oils which they were obliged to use. From a small sample of seeds from some light brown East Indian flax which they had obtained, and which reverted to the original dark for several years, I have now to offer the most remarkable flax ever produced. *The seeds of the "Burbank" are of nearly double the size of any other, are of a beautiful limpid white, and yield twelve per cent more oil per pound of seed. The oil is more readily extracted and with less waste.* The plants are fully as productive as the ordinary flax. The "Burbank" Flax is now offered for the first time and will be welcomed not only by artists, but by painters in general, manufacturers of oil cloths and linoleums, by druggists, and for home use by everybody.

SAMPLE FLAX SEEDS

Commencing at the left is Siberian flax; second, American; third, French jaune blanc; fourth, Burbank; fifth, Russian pskof; sixth, Russian Imperial; last, East Indian flax.

Per packet of 100 seeds, 25c; ounce, $1; pound, $6.

New Rainbow Chard or Asparagus Beet

By crossing the improved Swiss Chard with the sweet table beets, a more vigorous strain has been produced with enormous leaves and stalks of white, pink, green, scarlet, crimson, orange, and yellow. Both the broad, succulent stalks and leaves exhibit a mingling of wonderful iridescent rainbow shades. The leaves are deeply crimped and pitted like the Savoy cabbage. Nothing in the garden can be so easily raised, and no other vegetable produces such a vast and perpetual supply of delicious and healthful succulent food, as delicious as the best garden spinach.

Packet, 15c; ounce, 25c; pound, $3.

San Francisco, Cal., Nov. 3, 1918. From your Rainbow Chard seed we have been using the greens for my chickens. It has large, tender leaves, which I have been taking from these plants all Summer, and they have not yet started to send up

seed stalks, which I find the other chard does. If you have seeds of other plants which will produce a large lot of greens for chickens and will not seed quickly, let me know. W. R.

Ottumwa, Iowa, Jan. 13, 1919. I want to commend the Swiss Chard Beet for greens. We think it is equal to spinach and it is the only greens that I can state I really like. A. T. G.

Central Point, Ore., Jan. 11, 1919. We are enjoying our chard very much. F. A. I.

Common Swiss Chard Beet

Valuable for poultry, producing a large lot of green feed in the shortest time. Ounce, 10c; pound, $1; per 100 lbs., not prepaid, special rate.

The New Sweet Hubbard Squash

When the Hubbard Squash was first introduced it was as sweet as a good sweet potato, but it has been allowed to run wholesale mongrel until it has lost much of this peculiar quality. The New Sweet Hubbard is uniformly as *sweet* as the original when first introduced fifty-six years ago. Very productive and uniform.

Packet, 15c; ounce, 30c.

Ashley, Mont., Dec. 5, 1918. Your squash, tomatoes, sunberries, cucumbers, and chard do much better here than any I have raised before. V. L.

Elmhurst, Cal., Dec. 21, 1918. The Hubbard Squash you sent me last Summer certainly turned out fine, and also the White Sunflower seed. My chickens just seem to eat this seed in preference to anything else. I will plant considerable this coming spring. J. B. W.

New Chilian Celery

Celery seed is coming more and more into use owing to its fine flavoring qualities. This new perennial celery produces a great amount of seed with exactly the ordinary celery flavor, and can be produced at about one-tenth the expense. The seeds also carry a much larger content of the essential oil of celery. Why grow the old kind for flavoring? Packet, 15c.

Brazilian Perfume (Origanum Sp.?)

A new plant lately discovered in Central Brazil; greatly prized by the native Indians; one foot high, of surpassing sweet fragrance which lasts for years. May well take its place with lavender, though wholly different; now first offered.

Packet, 20c; three, 50c.

Potato Seed

One of the most interesting of all garden pursuits is the growing of Potato seedlings, especially as a new prize potato may be produced by any one, whether skilled or not. The seed which I offer is from the very best English, Scotch, Norwegian, Swedish, German, North and South American varieties. Maine, California, New Mexico, Washington, and Oregon seed is included in this remarkably varied and superior lot of seed. Seedlings of all forms, sizes, qualities, and colors will be obtained. Directions for growing are printed on each packet of seed.

Packet, 15c; two, 25c; ten, $1.

A New Asparagus—"Quality"

A most supremely delicious variety. Produces large, sweet, white stalks. Especially valued for home use. Packet, 20c; three, 50c; ounce, 85c.

Orache or Mountain Spinach

Nearly as good and as hardy as the common spinach. About four or five times as productive, and can be grown at one-fourth the care and expense. You will be pleased with this superior vegetable. Packet, 10c; ounce, 30c.

Big Boston Lettuce

Large solid heads. None superior for home growing or market.
Packet, 10c; ounce, 25c.

Moss Curled Parsley

Reselected extra fine curled. Packet, 10c.

Snow White Cucumber

One of the very best for home use. Packet, 10c; ounce, 20c; pound, $1.50.

East Edington, Maine, Jan. 23, 1918. I never saw such delectable cucumbers as I raised from your seeds. F. F. M.

Improved Detroit Red Beet

Best for home use. Deep red. Keeps in best condition a long time.
Packet, 10c; ounce, 20c; one-fourth pound, 60c.

Artichoke—"Santa Rosa"

One of the most productive and best flavored of all. Originated from seed sent me direct by King Emmanuel of Italy from his own private garden. Packet, 25c.

A GOOD ARTICHOKE

Artichoke

From best Spanish varieties.
Packet, 15c; ounce, 30c.

New Tree Bean

A wonderfully productive small white bean which is becoming the standard for field crops. Yields very heavily even on poor soils.

Ounce, 20c; pound, 75c.

San Jose, Cal., Jan. 28, 1916. We are perfectly delighted with your new white beans. They are certainly as fine as any I have ever eaten. I could hardly believe my eyes either as to the size of the bush or the amount of the beans upon it.
Judge S. F. L.

China Cabbage (Pak Choi)

A species of large stalked sweet mustard. Grows well only in cool weather.
Packet, 10c.

Garbanza (Chick Pea)

Especially prized for soups. Ounce, 10c; pound, 30c.

Fenngreek

A hardy annual fragrant bean-like plant, cultivated for forage and medicinal uses and in the manufacture of curry powder. Packet, 10c; ounce, 25c.

Mustard—Moss Curled

A beautiful and easily grown mustard for early greens. Packet, 10c; ounce, 20c.

Canteloupe—"Melting"

Productive, large, oval, heavily netted; thick, sweet, delicious flesh. None better. Packet, 15c; three, 30c.

Cucumber—Small Gherkin

Used when young for pickling only. Very productive. Packet, 10c; ounce, 20c.

Parsnip

A most carefully selected strain of the smooth, sweet "Hollow Crown." The best of all. Packet, 10c; ounce, 30c.

Would also call special attention to my *"Quality,"* the finest of all the new *wheats; "Avalanche" white oats,* and *"Royal" walnuts.* Special circulars describing these if desired.

Thornless Fruiting and Forage Cactus Seed

After eighteen years' work on these very interesting plants, I can now offer seeds of the latest and best fruiting and forage varieties. These seeds are from the highest bred and best kinds in existence, and can be raised in a window-box, warm room or out of doors in mild climates. A certain proportion will be partially thorny, others smooth and thornless. Superior types will certainly be produced from this seed. Not hardy where ice forms over one inch thick, but very interesting to grow. Cactus seed requires several months to germinate.

Packet, 20c; ounce, 75c.

Flower Seed Department

Antirrhinum (Snapdragon)

The new dwarf large flowering Snapdragons are becoming the popular flower both for the garden and for cutting. We offer this season a splendid strain in various brilliant colors. "Daphne"—soft blush pink; "Defiance"—orange red; "Golden Queen"—yellow; "Mont Blanc"—white; "Rose Queen"—rose color; "Amber Queen"—beautiful amber; "Rosy Morn"—pale rose, and many others.

All the above mixed, packet, 10c; three, 25c.

Agapanthus (Lily of the Nile)

Until quite lately only a small blue Agapanthus was known. I now offer for the first time *seed* which grows very readily, of one of the most beautiful and permanent of all decorative plants.

A new gigantic pure white Agapanthus, bearing immense heads of snow-white flowers on strong stems, nearly four feet in height. The flowers last for months and have a most unusual decorative value. A distinct new florists' flower which will become popular everywhere. This is quite hardy throughout most of California and may be grown in tubs in the cold eastern states. Packet, 25c; ounce, $3.

Aquilegia—New Hybrids

This favorite flower has lately been greatly improved in variety and combination of colors, including yellow, red, orange, rose, blue, purple, cerise, white, salmon, and mauve. Graceful, hardy, and easily grown. Packet, 15c; three, 40c.

Amarantus Abyssinicus

An enormous "Love Lies Bleeding." A tall, striking plant with drooping scarlet chenille-like tassels two to three feet long. Packet, 10c; three, 25c.

Argemone—New Large Flowering Hybrids

Pale green spiny foliage with silvery veins. Satiny poppy-like flowers, three inches across. Deep yellow to creamy white. Blooms all Summer.

Packet, 10c; three, 25c.

Bidens Dahloides

A beautiful *new tuberous* type of *Cosmos-like* flowers, produced from the "Black Dahlia." The plants bloom abundantly the first season from seed and may be kept over and divided like Dahlias. These charming plants grow about eighteen inches in height, and produce large, graceful, white, black, red, and pink flowers on long, slender, wiry stems all Summer. One of the best of all the absolutely new plants.

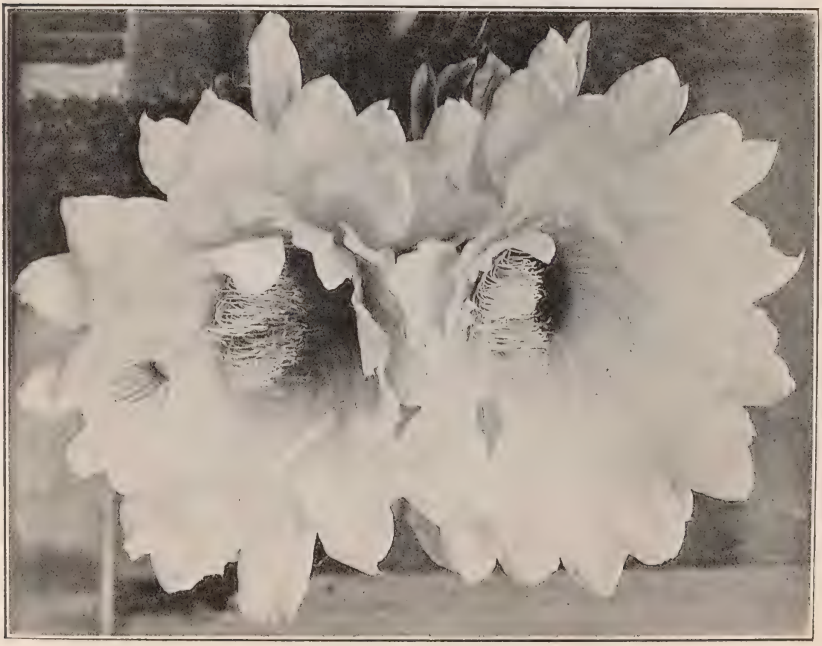
Packet, 20c; three, 50c.

A Flowering Bulrush

The plants appear like the common bulrush, but each stalk bears a cluster of rosy crimson flowers very early in the Spring. Perennial; readily raised from seed. Packet, 15c.

Cactus Pitajaya

A thorny club cactus which produces wonderful, fragrant, pure white flowers six inches across, and fruits as large as plums, with a white flesh of excellent quality. Will endure freezing down to about 10 degrees above zero. Easily raised from seed. Packet, 20c.



PITAJAYA CACTUS BLOOMS

Shasta Daisy

Most carefully selected and best mixture ever offered of this most popular of all white flowers. Packet, 25c.

The SHASTA Daisy will produce four times as much bloom as any other variety, and when cut, this will remain in a fresh condition for fully a fortnight, which makes it a unique flower for decoration. Plants will bloom in six months from time the seed is sown, while the varieties of Maxima will only bloom the second year from seed. The SHASTA Daisy will succeed in any soil, and is perfectly hardy, it is perennial, blooming better and more abundantly each season, and may be multiplied by simple division of the root. Robert Holmes, F. R. H. S.,
Tuckswood Farms, Norwich, England.

ONE OF THE INNUMERABLE FORMS OF SHASTA DAISY SEEDLINGS

The SHASTA Daisy exhibits a grace and refinement lacking in other daisies belonging to this genus, . . . far superior to the common daisies, Paris daisies, Chrysanthemum maximum and white asters in grace and purity of color. It has met with a good demand at all times at prices which may be considered high as compared with those obtained from any other out-door Summer stock.—*Florist's Exch'ge.*

Probably no hardy plant has ever been so highly spoken of in the American Horticultural Press as this production of Luther Burbank's. . . . This we consider the finest of all the Moonpenny daisies. The flowers are of the snowiest white, with yellow centers, large and graceful, and produced in countless numbers on long, strong stems, making it a valuable cut flower. It is perennial, absolutely hardy, and blooms the first season from seed. Henry A. Dreer,
Philadelphia, Pa.

Among the most startling examples of great increase in size in a hybrid among Burbank's Creations is his SHASTA Daisy.—*New York Herald.*

There is little doubt that this wonderful flower will soon become one of the most popular of our cultivated blossoms.—*North American Horticulturist.*

The SHASTA Daisy is one of Burbank's greatest novelties, and it promises to rank as one of the very best garden flowers.—*Horticultural Trade Journal, London, England.*

I have watched the development of the SHASTA Daisy in Mr. Burbank's grounds for several years past, and pronounce it the best white flower for garden and house decoration which I have ever seen. It is worthy of all the praises bestowed upon it. **Carl Purdy.**

The SHASTA Daisy is one of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists. James Vick's Sons, Rochester, New York.

The SHASTA Daisy is one of the striking creations of Luther Burbank, who has done more than ever man did before in originating new fruits, flowers and vegetables, a new flower of wonderful beauty. James J. H. Gregory, Marblehead, Mass.

We are delighted with your SHASTA Daisies. Growing luxuriantly and blooming profusely. Stark Brothers, Louisiana, Missouri.

Last year Mr. Burbank gave to the world the SHASTA Daisy, this child of his heart and brain, to preach the gospel of peace and love and beauty. . . . The flowers often measure four or more inches across, of purest glistening white. They have a charming effect in the garden, and are invaluable for cut flowers, shipping well and keeping two weeks in water. Mrs. Theo. B. Shepherd, Ventura, California.

There is no doubt but the SHASTA Daisy has come to stay as a plant for Summer cut flowers, and for the hardy border. The Storrs & Harrison Company, Painsville, Ohio.

Dimorpotheca Aurata

The South African "golden daisy" is an extremely showy, easily grown annual, in bloom all Summer and in mild climates all Winter. One foot high.

Packet, 10c; three, 25c.

Dimorpotheca—New Hybrids

These most beautiful "African Daisies" are grown most easily anywhere; are hardy over most of California and, like our Eschscholtzia, bloom all Summer and more or less all Winter and early Spring. The colors are wonderful; pale and bright yellow, orange, salmon, rosy salmon, reddish yellow, cream, and white.

Packet, 15c; three, 30c.

HYBRID DIMORPOTHECA

California Poppies (Eschscholtzia)

Most beautiful selection of large white, pink, crimson, yellow, and the new flame shades mixed. Packet, 10c; three, 25c; ounce, 40c.

Fairhaven, Mass., Aug. 30, 1917. Everything from your seeds for the past five years has done well. The California Poppy bed is as fine as if it were in your State. It has been a blaze of color since June and is still in bloom. Many of the

blossoms are three and one-half inches in diameter, with foot-long stems. The "Desert Sunset" Asters have been wonderfully lovely; such an exquisite shade. The colors of your gladioli have been marvelous. J. B. Van N.

Cosmos

Well known graceful Autumn-blooming flowers.

Early Cosmos, mixed colors. Packet, 10c; three, 25c.

Giant Late Cosmos, mixed colors. Packet, 10c; three, 25c.

BURBANK'S HYBRID LARKSPUR

Canterbury Bell

Beautiful, large, bell-shaped blossoms, mixed colors, blue, rose, and white.

Packet, 10c; three, 25c.

Delphinium Burbank's Hybrid Larkspur

Well known by florists and seedsmen as the most beautiful of all strains of this beautiful perennial. The Burbank Delphiniums have received *first prizes always* wherever exhibited.

Packet, 25c; three, 50c.

Larkspur (Delphinium) New Species

A beautiful new *yellow* Larkspur very lately discovered near Bodega Bay, California, and never before offered. How it should have been so long overlooked, though very rare, is a mystery. Hardy annual, 1 to 2 feet high.

Packet, 25c; three, 50c.

Larkspur Annual Stock Flowered

Beautiful spikes of pink, rose, blue, and white. Exceedingly effective for beds, borders, or for cut flowers.

Packet, 10c; three, 25c.

Calendula or Winter Marigold

One of the finest hardy annuals, blooming all Summer, and in California and other mild climates nearly all Winter, when other flowers are scarce. Handsome double orange, yellow, creamy-white, and variegated. The Burbank Calendulas are widely used for decorations.

Large packet, 10c; three, 25c; ounce, 30c; pound, $1.

DAHLIA SEEDLINGS

Dahlias

Dahlia seedlings from my seed take first prizes every season and several of the best known standard varieties have originated from it.

Dahlia Double Mixed

Per packet of 100 seeds, 15c; three, 40c.

Dahlia Large Single Mixed

Per packet of 100 seeds, 10c; three, 25c; ounce, 60c.

Celosia-Plumosa

A specimen plant in pot or open ground is a vision of beauty. The most graceful, feathery, and beautiful of the celosias. Select type seed, various clear colors mixed. Packet, 15c; three, 40c.

Centaurea Imperialis

Beautiful carnation-like annual. Mixed colors. Packet, 10c; three, 25c.

Coreopsis Golden Wave

Rich golden yellow, brown centre; very free flowering. Packet, 10c; three, 25c.

Everlasting Flowers

Great improvements are being made with these wonderful flowers. The brilliant new crimson and the soft, pleasing rose-pink and pale yellow shades and the pure white ones are making them indispensable for Summer as well as everlasting Winter bouquets and decorations. All are as easily raised as any other flower.

Acrolinium

A pretty annual "everlasting"; fifteen inches high with lovely rose-pink and white flowers. Packet, 10c; three, 25c.

Statice (Sea Lavender)

Easily grown, fine, hardy perennial "everlastings"; yellow, blue and white.

Pure yellow, packet, 10c; three, 25c. Blue, packet, 10c; three, 25c. Mixed colors, packet, 10c; three, 25c.

Helichrysum

One of the very best of all the "everlastings." Beautiful double daisy-like flowers which make a fine display of color all Summer and for Winter decoration unsurpassed. Double, deepest crimson, rose, dark yellow, pink and lemon shades, also pure white. Give plenty of room. Height three feet.

All colors mixed, packet, 10c; three, 25c.

Gomphrena

A first class "everlasting" and a fine bedding plant. The flowers resemble brilliant clover heads; crimson, rose and white mixed. Packet, 10c; three, 25c.

Geum—Mrs. Bradshaw

This beautiful new perennial Geum produces a multitude of *double* orange-scarlet flowers two inches across throughout the season. Packet, 15c.

A New Godetia

Our native Godetias are among the most prized of annuals. This new Chilian trailing Godetia is of a wholly new form and color—lavender blue. Blooms all the Spring and early Summer. Seed, per packet, 20c; three, 50c.

Cocoanut Geranium

This new Geranium from West Australia in foliage much resembles the well-known fragrant Rose Geranium, but is low growing and compact, with unusually handsome crenate leaves. The whole plant has a most delicious, strong cocoanut fragrance. The best of its class and useful as single specimen or in borders.

Packet, 20c; three, 50c.

Gladiolus—Burbank's Hybrids

These seeds have and will produce many new prize varieties of all sizes, shapes, and colors; saved from fully 100,000 varieties. Packet of 100 seeds, $1.

Elora, the new giant white. Packet of 100 seeds, $2.

Vincennes, Ind., June 6, 1918. It is an unusual experience for a grower to write the originator of a new variety of flower that the plants exceed his claims. Your new gladiolus "Elora" is now in bloom and is a beauty. You claim that it grows three and one-half feet tall and that the individual flowers are four and one-half inches in diameter. My plant is four feet tall and the blooms measure five and one-fourth inches in diameter. This kind of a flower from a *bulblet* I regard as remarkable. All of your seeds have made a remarkable record for germination. From twenty-three tomato seeds planted, twenty-three plants came up. It is a novel experience to me to have plants and seeds do more than is claimed for them. You richly deserve your success. M. O.

Brunswick, Ga., May 24, 1917. Please send me twenty-five thousand choice gladiola seed. I regret that I did not order some of all your named gladioli. The "Elora" is one of the finest and most satisfactory gladiolas that I have ever grown. The stalks are five to five and a half feet, with flowers up to five inches across, with six flowers open at once. The top flower on one stalk had twenty-four petals and was five inches across. That was some flower. C. S. T.

Salem, Ore., Sept. 30, 1918. In the Spring of 1917 I purchased of you several hundred gladioli seeds. These were planted in April, and in June, 1918, they began to bloom. Gladioli experts here say such a thing impossible. Many of these flowers were very fine and far excel any others produced in Salem or Portland, Oregon. J. H. F.

Brunswick, Ga., Aug. 30, 1917. The mixed gladiola bulbs from you last Winter were very fine; some of them were extra fine, and I have labeled about one hundred out of the lot to grow in quantities for the cut flower trade. Some of the two-inch bulbs produced two three-inch bulbs and from twenty-five to one hundred and fifty bulblets. That is not bad. C. S. T.

Glaucium—New Hybrids

Hairy poppy-like leaves and large saucer-shaped flowers of pale and deep yellow, followed by curious long slender pods. Hardy perennial. Packet, 10c.

Australian Gooseberry Gourd

Very rapid-growing vine with fruits resembling gigantic gooseberries. Pkt., 10c.

Hunnemannia

The Mexican "Golden Cup" is a more brilliant golden yellow and grows more shrubby than our native; blooms all Summer, and the flowers, when cut, keep open and fresh for a week or more. Packet, 15c; two, 25c.

Lavatera Trimensis

An annual Hollyhock-like plant bearing all Summer rosy crimson blossoms two inches across in profusion. Packet, 10c.

Lavatera Splendens

Dwarf compact. Packet, 10c.

Lavatera

Pure snow white. Packet, 15c.

A New Morning Glory—"Burbank's Giant Crimson"

One of the most beautiful and easily grown of all.

Packet, 10c; ounce, 30c; pound, $2.

RED, WHITE AND BLUE MIXED: Packet, 10c; three, 25c.

Marigold—"Legion of Honor"

Bright single flowers; rich golden yellow, marked with crimson-brown; most attractive for bedding or neat borders. Packet, 10c; three, 25c.

Marigold

ORANGE BALL: Large double orange flowers. Packet, 10c; three, 25c.

LEMON BALL: Large pure lemon-yellow. Packet, 10c; three, 25c.

Nasturtium—Dwarf

Well known plants with an abundance of flowers of many bright colors. Mixed. Packet, 10c.

Oenothera "America" (Evening Primrose)

My gigantic Evening Primrose of snowy white has given universal satisfaction wherever grown. The blossoms are nearly or quite eighteen inches in circumference, a single petal covering a whole flower of other kinds. Pkt., 15c; two, 25c.

Perennial Pea

The Burbank strain of hardy perennial peas raised here for a third of a century is not surpassed in abundance and size of flowers, length of stem, or variety of shades. A packet of seeds will supply flowers for a score of years.

Packet, 15c; two, 25c.

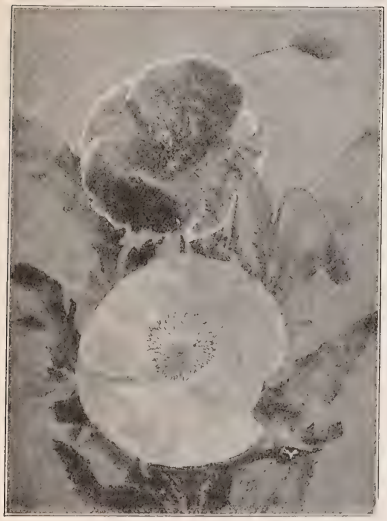
New Bedford, Conn., May 13, 1918. You are most generous, and we are grateful. Our garden is rich in plants from "Burbank" seeds of former years, a fence covered with your Perennial Peas being the envy of all beholders. Our New England garden is a California garden. J. B. Van N.

Sweet Peas "All Summer" Mixed

A new strain produced by crossing the dwarf greenhouse varieties with the Spencer type. Blooms very early and late. Packet, 10c; ounce, 15c; pound, $1.

Hardy Purple Pea

Very much like the sweet pea but not fragrant. Large rose purple flowers. Blooms here all Winter. Packet, 10c; ounce, 25c; pound, $2.50.



SHIRLEY POPPIES

Burbank Shirley Poppies

This beautiful strain has been carefully selected each season for more than twenty years and is the foundation for many of the strains offered by other seedsmen. 1918 selection, packet, 10c; three, 25c; ounce, $1.

Shirley Art Poppies

Burbank's latest production; wonderful combination shades of salmon, soft rose pink and white semi-transparent crepe-like flowers. The most elegant and beautiful of the whole world's poppies. Packet, 20c; three, 50c.

Giant Shirley Poppy

Crimson shades. A cross of the Shirley and Tulip poppies. Many of these enormous fiery flowers are seven or eight inches across; a blaze of colors.

Packet, 20c; three, 50c.

A New Poppy—Papaver Californicum

The Eschscholtzia Californica is almost always called "the California Poppy"; it is not a true poppy. The real California poppy is an exceedingly rare plant growing in only two places in the world, and is not even mentioned in Cyclopedias and Botanies. Years ago I began its improvement and now offer seeds of the *Orange-cream Poppy,* one of the most beautiful of all. Annual, fifteen inches high, flowers on long slender stems of a color rarely seen in any flower.

Packet, 20c; three, 50c.

A New Everblooming Poppy

Several years ago I succeeded in crossing the Oriental (perennial) poppy with the Pæony flowering (annual) poppy. The result was a strain of single *perennial everblooming* poppies bearing enormous flowers on long stems, of various shades

of scarlet, crimson and orange. *Unlike all other poppies, these bloom all the time throughout the year* in this climate and may perhaps be hardy in severe climates. Seeds rarely produced and never before offered. Packet, 25c.

Platycodon

New single and double blue and white mixed. Packet, 10c; three, 25c.

Platycodon New Double White

Hardy perennial never before offered; very choice clematis formed double snow white flowers. Plants dwarf, eighteen inches to two feet.
Packet, 25c; three, 50c.

The New Red Sunflower

You will be surprised with the beauty of this new and highly selected strain.
Packet, 10c; three, 25c.

New Hybridized Sunflowers

Seeds of all sizes and colors; giant and dwarf flowers, single and double. Clear red, yellow, orange, primrose and variegated flowers. Most unique and remarkably interesting varieties in great profusion are produced from this seed.
Packet, 15c; ounce, 50c.

New Orleans, La., Dec. 14, 1918. The inclosed kodaks show an unusually large sunflower (for this locality) grown from seed purchased from you last Spring. The tree was about twelve feet or more. The center part of the flower was from thirteen to fourteen inches in diameter, and with the petals extended made the width between point of petals about nineteen inches. The color was a beautiful orange yellow with the browner center. A. R. C., M. D.

Sunflower (California)

Double, pure yellow. **Packet, 10c; three, 25c.**

Sweet Scabious

To those who have not grown the *new* Scabious, the soft lavender, blue, pink and white shades will be a surprise and delight. Easily grown annual; especially fine for cutting.
Packet, 10c; three, 25c.

Burbank's "Mayflower" Verbena

By both European and American growers known as the best selected and most fragrant strain. Extremely large flowers in wonderful bright shades of pink, scarlet, rose, blue, lavender, crimson, purple and white.
Packet, 20c; three, 50c.

Verbena—Pure Scarlet

One of the most brilliant and striking plants for all Summer blooming for borders and general effectiveness in color.
Packet, 15c; three, 35c.

SWEET SCABIOUS

Verbena

Pure white, very large flower, often quite fragrant. Packet, 15c; three, 35c.

The Blue Petunia

This new color in petunias is a very pleasing one not before obtained. The seed now offered comes fairly "true blue." Packet, 15c.

Scarlet Bugle Pentstemon (Centranthifolius)

Perennial; bright scarlet flowers, three feet. Packet, 10c.

Whitlavia

A beautiful native of the mountains. Annual. Large, deep blue flowers in abundance all Summer. Packet, 10c; three, 25c.

Giant Zinnia

Burbank 1918 selection. Enormous flowers like dahlias, of various greatly improved colors all Summer. Packet, 10c; three, 25c; ounce, 60c.

The Burbank Dwarf Zinnias

New. Most charming brilliant red and yellow shades of most perfect doubles. Flowers in utmost profusion all Summer.

Packet, 10c; three, 25c; ounce, 75c.

Sacramento, Cal., Jan. 11, 1915. I took great pride in a lot of your seeds last year. The flowers are lovely and I want more this year. T. D. H.

WHERE THESE FLOWERS ARE GROWN

Bulb Seeds

Asclepias Incarnata

Hardy Butterfly plant; free flowering tuberous perennial. Pkt., 10c; ounce, 60c.

Brodiae Capitata Alba

A snow-white flowering brodiæ. Flowers on long wiry stems. These remain in best condition when cut for a *month or so*. Very useful for florists. Bulbs edible. Packet, 20c.

Brodiae Mixed

Best species and varieties. Blue, rosy crimson and white. Packet, 20c.

Camassia Hybrids

Often called Indian Potato. These beautiful hybrids, all of which originated on my farms, bear the largest and brightest colors known in this genus, on short compact stems. In these you have the best in the whole Camassia world. Pkt., 25c.

Orphiogon Javanicum

Slender grass-like foliage and clusters of orange colored flowers on slender stems eighteen inches in height. Packet, 15c.

Isemene Calathina

This unique bulbous Amaryllis-like plant produces an abundance of large transparent white flowers. Easily grown from the large black seeds. Packet, 20c.

Phoenix Canariense

The handsomest and the most rapid in growth of all the hardy palms of California. Fresh seed. Packet, 10c; ounce, 15c; pound, $1.50.

Sparaxis Pulcherrhima (Dierama)

Slender iris-like foliage and very graceful long, slender, drooping stems with rose colored flowers like giant ixias. Hardy where the ground does not freeze over two inches deep. Packet, 15c; ounce, 25c.

Scilla Hybrids

Blue, white and rose. Packet, 15c.

Watsonia—Burbank Hybrids

New Hybrid Watsonias are growing on my farms by the acre. More new and extremely beautiful varieties than on all the rest of the globe. Giant white, single and double, tall and dwarf, yellow, orange, pink, rose, crimson, purple, salmon and scarlet; a veritable transformation from an ordinary flower to one equal to the modern gladioli. Packet, 50c.

Tree and Shrub Seeds

New Chilian Abutilon

One of the most magnificent of all blooming large shrubs or small trees. Saucer-shaped flowers in astounding profusion nearly three inches across, on long slender stems. Far hardier than any other Abutilon or "Flowering Maple." Seed from select pure white ones, and seed from select porcelain blue ones.

Packet, 25c; ounce, $1.

Cytisus—Chilian Golden

Most wonderful blooming shrub. A mass of brightest yellow flowers like sweet peas, but more fragrant. Packet, 15c; ounce, 50c.

New Cytisus Hybrids

Rare shrubs producing an abundance of orange, crimson and yellow variegated blooms of unusually large size and mostly fragrant.

Packet, 15c; ounce, 40c; pound, $3.

Judas Tree (Cercis Siliquastrum)

A striking shrub with kidney shaped leaves and clusters of crimson-pink flowers followed by deep crimson seed pods. Packet, 15c.

Dracoena Indivisa

The Dracœna (Dragon Tree) so freely used in the streets and parks of California. Grows to about 12 feet in height, then branching into a symmetrical tree. The foliage is the best tying material so far found for shrubs, vines, berry plants, etc., far better than hemp rope. Sooner or later this Dracœna will be grown by the acre for its fibre, which requires no preparation except to moisten the leaves and split into widths, appropriate for use. Seed, per packet, 10c; three, 25c.

Genista

Shrub bearing beautiful golden pea-like blossoms in greatest profusion. Highly valued by florists for cut flowers. Seeds rare: Packet, 15c; ounce, 50c.

Hardy Perennial Hibiscus

New California hybrids; enormous flowers of most beautiful shades of crimson, pink, yellow and white. Packet, 25c.

Hypericum Moserianum

A most graceful perennial plant; wonderfully free blooming. Flowers rich golden yellow, two inches across. Blooms throughout the whole Summer. Height two feet. Packet, 20c; three, 50c; ounce, $1.50.

Quillae—Chilian Soap Tree

A handsome, symmetrical evergreen tree bearing most unique blossoms and seed pods. The bark is the well known "Soap Bark" of commerce.

Packet, 15c; ounce, 75c.

Poinciana Regia

(Royal Peacock Flower—"Pride of Hawaii")

This magnificent brilliant scarlet flowering shrub from Madagascar has unexpectedly proved itself to be hardy at Santa Rosa. Packet, 25c.

Sparmannia Africana

Handsome, compact shrub bearing a profusion of white pea-like blossoms in early Summer. Packet, 15c.

Bostonia, Cal., May 24, 1917. I wish to say that I have read the twelve volumes of your remarkable records with more keen pleasure than it has ever before been my good fortune to experience during a lifetime of somewhat varied reading.

C. O. N.

Offer Extraordinary

The New Burbank Gladiolus

One hundred thousand absolutely new varieties of every form and color ever produced from this wonderfully variable plant, including scarlet, crimson, yellow, blue, purple, lavender, orange, salmon, and pink, with infinitely varied combinations of all the rainbow colors. Such a mass of brilliant colors can not be produced at many times the cost of these in any other flower. Last season people came in multitudes to look over the fence in admiration of these very ones here offered. Not an old one in the whole lot. All Burbank productions.

Bulbs, each, 25c; ten, $1; one hundred, $8; one thousand, $50.

New Gladiolus—"Elora"

Height, three and one-half feet; great bloomer, even from the smallest bulbs; slender blue green foliage; long, full truss; flowers produced in greatest abundance, four and a half to five inches across; WHITE suffused with pale violet; yellow throat with dainty crimson featherings; very striking. Multiplies with great rapidity. Unequaled in health and vigor. It is destined to be the forerunner of a new race. Bulbs, each, 50c; ten, $2; hundred, $15.

Gladiolus bulbs can be planted at *any time of the year,* when most convenient to the planter, in all climates where the ground does not freeze over three inches in depth; in colder climates, all Spring and early Summer; and, if planted in succession, will yield a wealth of blooms which no other flower can surpass in abundance, beauty, variety, or ease of culture.

Plant *six inches deep* and two to six inches apart each way in beds, or two to six inches apart in rows, which may be one to four feet apart.

A New Productive Pearl White Wheat—"Quality"

After eleven years of very extensive and expensive work, THIS SEASON I offer a superior, *early, hard white wheat* suited to *all climates* wherever wheat can be grown; a Spring wheat especially adapted also to short seasons, arid soils, and dry climates. A superior white milling wheat which makes the best light, sweet, nutritious bread and pastry.

I have tested the best wheats, barleys, ryes and oats from all over the world side by side with my new grains and on averaging all these I find that my new wheats will generally yield nearly double those of most of the rest of the world. The best wheats of the world I find are raised in Australia, Italy and Canada; the most inferior wheats are raised in the Argentine Republic and in the United States, Mexico, China and Africa. The very poorest wheats by actual tests were received

from select Argentina kinds and from Oklahoma. The wheats of the United States are often very far from uniform, though there are most notable exceptions. If my new wheats were in general use today there should be no deficiency, as the crop through the whole country would be enormously increased in quantity and value without one dollar more of expense for land, labor or fertilizer except the first outlay for the purchase of the improved kinds of seed. This early, hardy "Quality" wheat which I offer this season will not yield as much as some of the coarse macaroni wheats in some warm, dry sections, but for general culture, with its unusual hardiness and extreme earliness, uniformity, superior milling and bread-making qualities, *it stands alone.* It most resembles in all these respects the hard Northern wheat "Prize Marquis," but has a vitreous white berry of quite different appearance and quality and of about the same specific gravity as of granite. The heads are of medium size, tapering to a point, beardless, and on ordinary land stand three and one-half to four feet in height. No trace of disease of any nature so far has ever affected it here.

The chemical analysis and baking test of the new "Quality" wheat given below shows its unusual value.

"Quality" Wheat

CHEMICAL EXAMINATION	
% Moisture	11.60
% Total Protein	14.20
% N. G. Protein	1.42
% G. Protein	12.78
Gliadin No	69
Glutenin No	31
% Gliadin	8.82
% Ash	.63

BAKING TEST	
Date baked	9-13-17
Yeast	Fleishmans
% Absorption	62.0
% Wet Gluten	38.2
Color of gluten	Very good
Quality of gluten	Very soft
Time to rise	1:49
Time to bake	:25
Expansions	2
Weight of dough	574
Weight of loaf	518
Loss	56
Loaves per barrel	301
Vol. of loaf	2225
Color	Excellent
Texture	Excellent

Prices This Season

All Prepaid by Mail or Express

One-half pound	$ 2.75	Ten pounds	$45.00
One pound	5.00	Five sample heads	.60
Five pounds	23.00	Ten sample heads	1.00

Last year I purchased and sowed a pound of "Burbank" wheat which I bought from you. We regard the wheat as the most excellent grown in this state. I am extremely well pleased with it and those who have seen it regard it as in every way being a prize product. I want to congratulate you upon your most beneficial and untiring work. I believe it a complete revolution of the wheat growing industry, particularly in this state, for the reason that our average yield per acre here is only thirteen bushels of common wheat.—O. S. H., Okla. Thresherman's Association, Oklahoma City, Okla., July 23, 1918.

Any one who opens the way out of the wilderness of wheat shortage or wheat insufficiency must stand in the light of a veritable Moses to the bakers.—T. T. F., National Association of Master Bakers, Columbus, Ohio, August 6, 1918.

Your discovery will be of incalculable benefit to this fair land.—C. H. M. & Company, Melbourne, Australia.

It sounds incredible, but Mr. Burbank has the habit of compelling us to believe the unbelievable. The burden of the proof rests on the doubters, not on him.

—Baltimore, Md., *News.*

Last year I bought ten heads of your wonderful wheat. I planted it in rows six inches apart in a plot nine feet by fifteen feet. I have now cut it down and saved the wheat, which has given me almost eight pounds. I was very proud of it for it was my first experience and I felt I would like you to know what an amateur can do.—E. J. M., Mountain View, Cal., July 22, 1918.

Of the value of your many wonderful contributions to humanity I presume there is at this moment no accurate measure. However, there is a general consensus of opinion which ascribes to you a place of peculiar pre-eminence not alone of the men of today but of the entire century. There is one group of men, moreover, for whom I am privileged to speak, who consider your production of a new and more valuable variety of wheat as an achievement in the science of agriculture and almost beyond measure of value to the human race. This particular group is the National Association of Bakers. We are just passing out of the most acute period of shortage this generation has ever known. Probably more than any one man in the world, you have done most to prevent a recurrence of such a crisis. I am speaking with the voice of the leaders of an industry which embraces more than 25,000 people in the United States when I say it is their earnest desire to have an opportunity to show to you their respect and to profit by your words and the inspiration of your presence.—T. T. F., National Association of Master Bakers, Columbus, Ohio, July 27, 1918.

JOHN BURROUGHS ENJOYS THE BURBANK PRODUCTIONS

Hudson, Ohio, Jan. 7, 1919. Last year you sent me at Romeo a package of the "Burbank" Tomato seed, which was planted at the same time as "Earliana" and "Chalk's Jewel." All were given the same treatment, transplanted twice, with the following results: The "Burbank" came into bearing *three weeks* before the "Earliana" and *four weeks* before the "Jewel." I had noticed in your note on the "Burbank" Tomato that it fruited some four weeks before other varieties on the Pacific Coast, but had no idea that in the latitude of Michigan there could be any such variation. D. F. N. W.

The Training of the Human Plant

By LUTHER BURBANK

Dedicated to the Twenty Million Public School Children of America and to the Untold Millions Under Other Skies.

A book, primarily, for every parent and every teacher, but, also,

A book to be read by every thinking man and woman.

It is a prophecy of the finest race the world has ever known.

It is a startling presentation of the possibilities of the ideal in character.

It is a plea for an heredity, environment, and training which shall realize here and now the ideal.

LUTHER BURBANK CLAIMS:

By placing ourselves in harmony and co-operation with the main high potential lines of human progress and welfare we receive the benefit of strong magnetic induction currents.

We are now standing upon the threshold of new methods and new discoveries which shall give us imperial dominion.

"Luther Burbank is unquestionably the greatest student of life and philosophy of living things, in America if not in the world."—*S. H. Comings, Corresponding Secretary American League of Industrial Education.*

"I know of no work and of no literature which confirms my interpretation of true heredity as do yours."—*E. R. Moras, M. D. (author), Chicago, Ill.*

"Luther Burbank turns out more new fruits than words, which isn't altogether a bad thing to do for a man whose work and joy it is to do precisely that. And so no wonder he has written a little book overflowing with love for children, with earnest hopes and advice and almost passionate impatience—if so sweet-tempered and quiet a man as Burbank can be passionately impatient—concerning their upbringing."—*"Independent," New York City.*

"The immediate book that is unconsciously imbued with the best Fourth of July spirit, and which touches the nerve of true patriotism at its roots, is Luther Burbank's 'The Training of the Human Plant.' Mr. Burbank's clear and simple work, however, is but another evidence that they who creep closest to the heart of Nature return in theory and practice to a recognition of the all-governing, divine and universal law."—*Baltimore "News."*

"It must yet make the average reader pause and wonder, if, after all, this man who lives on such intimate terms with Nature, isn't better able to describe her processes and their results in regard to the human race than the man who merely contemplates her from the safe distance of a book-lined study."—*"States," New Orleans.*

"A banquet was recently given to Luther Burbank, the wizard of new fruits and flowers, by the California Board of Trade, and the guest of honor surprised and deeply interested the large company present by devoting most of his address to coming biological improvements in the race of Americans."—*"The Dalles," Portland, Oregon.*

"His new 'Training of the Human Plant,' is the fruit of years of study, of experimenting, of observation, and of earnest aspiring thought and work. It is not a sensational book, but it is so suggestive and inspiring that it should prove an epoch-making little volume."—*"Post," Houston, Texas.*

"The analogy is fascinating, as he presents it in his article on the 'Training of the Human Plant.' Our parent Anglo-Saxon stock, itself a successful mixture of Briton, Roman, Saxon, Dane and Norman-French, when transplanted to America met even in Colonial days the Dutch, the French and the Swede."—*"Journal," Minneapolis, Minn.*

"Luther Burbank, who knows more about plant life than anyone in the world, has written an essay on the training of the human plant, which it is a rare privilege to read. It contains information and ideas which no American can afford to be without—ideas which bring with them an inspiration and an aspiration. The book will make its most direct appeal to parents and teachers, but every boy and girl, every man and woman will find in it a message for himself."—*"Housekeeper."*

He demands for the child of the race—most sensitive of living things—first and foremost an heredity and environment of love; differentiation in training, sunshine, good air, and nourishing food. He condemns the marriage of the physically unfit, and discusses at length heredity, predestination, training, growth, environment, and character. The fundamental principles of Education, Mr. Burbank declares, should be the subject of earnest scientific investigation including *all* the causes which tend *TO PRODUCE MEN AND WOMEN WITH SANE, WELL-BALANCED CHARACTERS.*

THE CENTURY CO.

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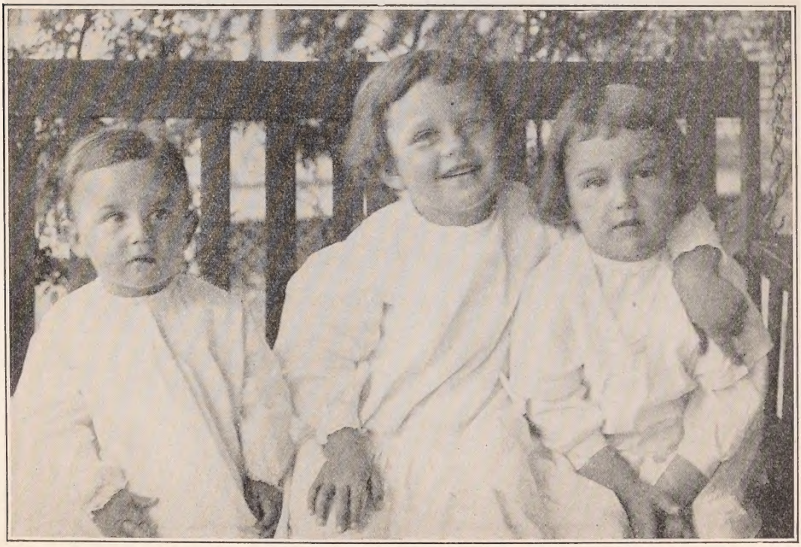

These and 20,000,000 other little folks thrive on Burbank fruits, nuts, grains, vegetables and flowers.